00822T "6hETS260

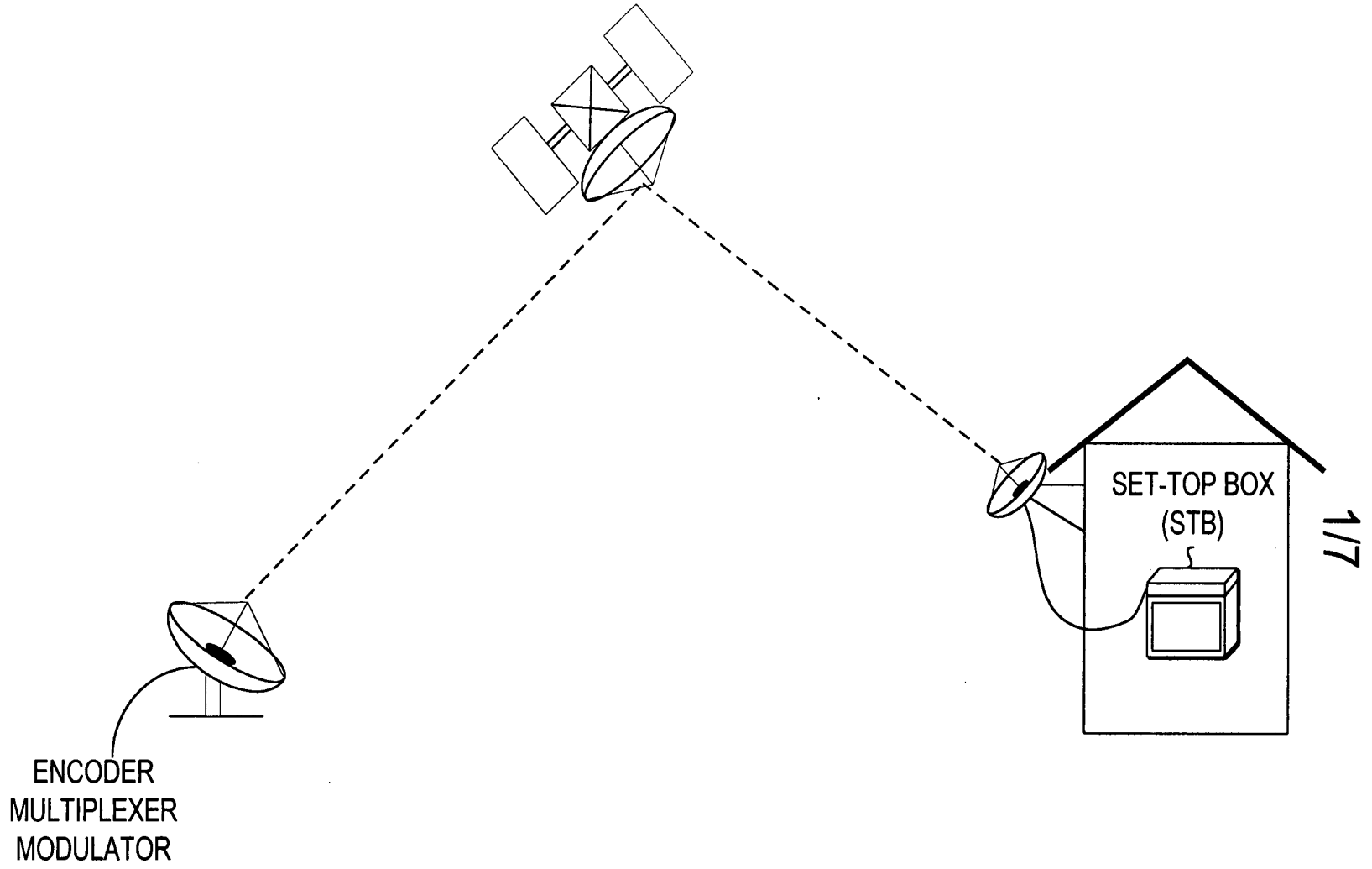

FIG. 1A DIGITAL TELEVISION SATELLITE DISTRIBUTION EXAMPLE

008227 "6hETS260

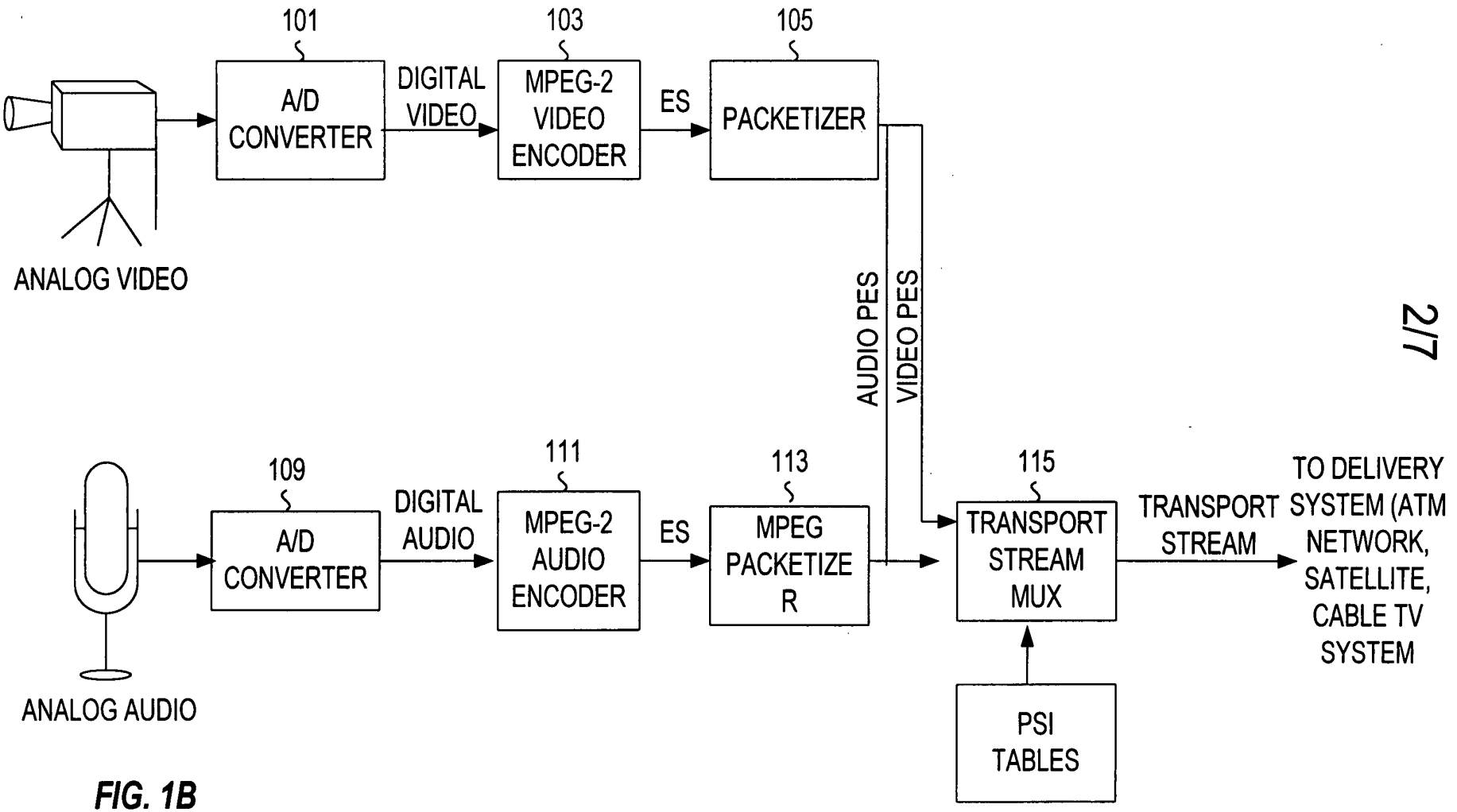

FIG. 1B

(PRIOR ART)

282

00822T "6nETS260

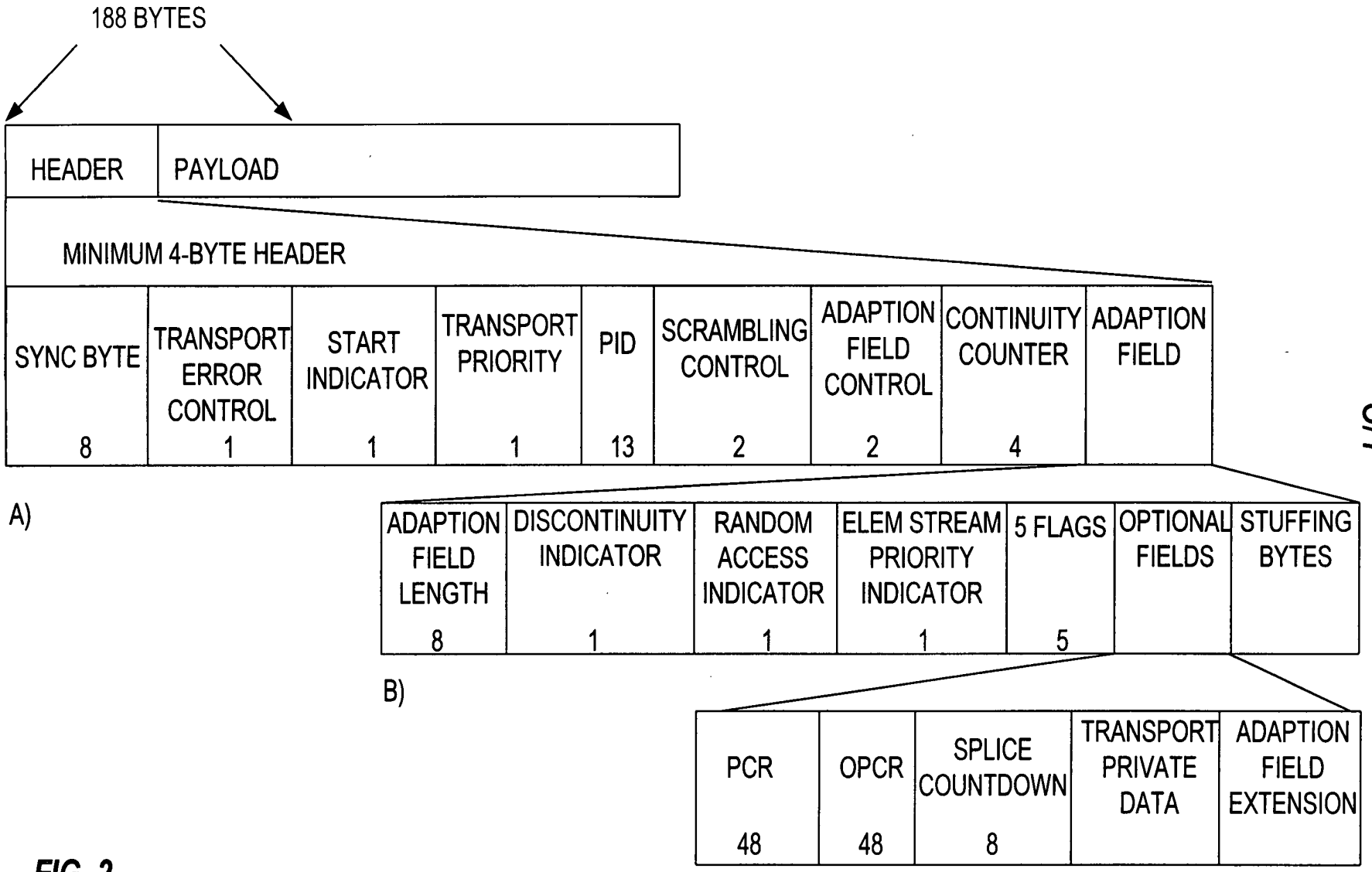

FIG. 2
(PRIOR ART)

00821T "6tET5760

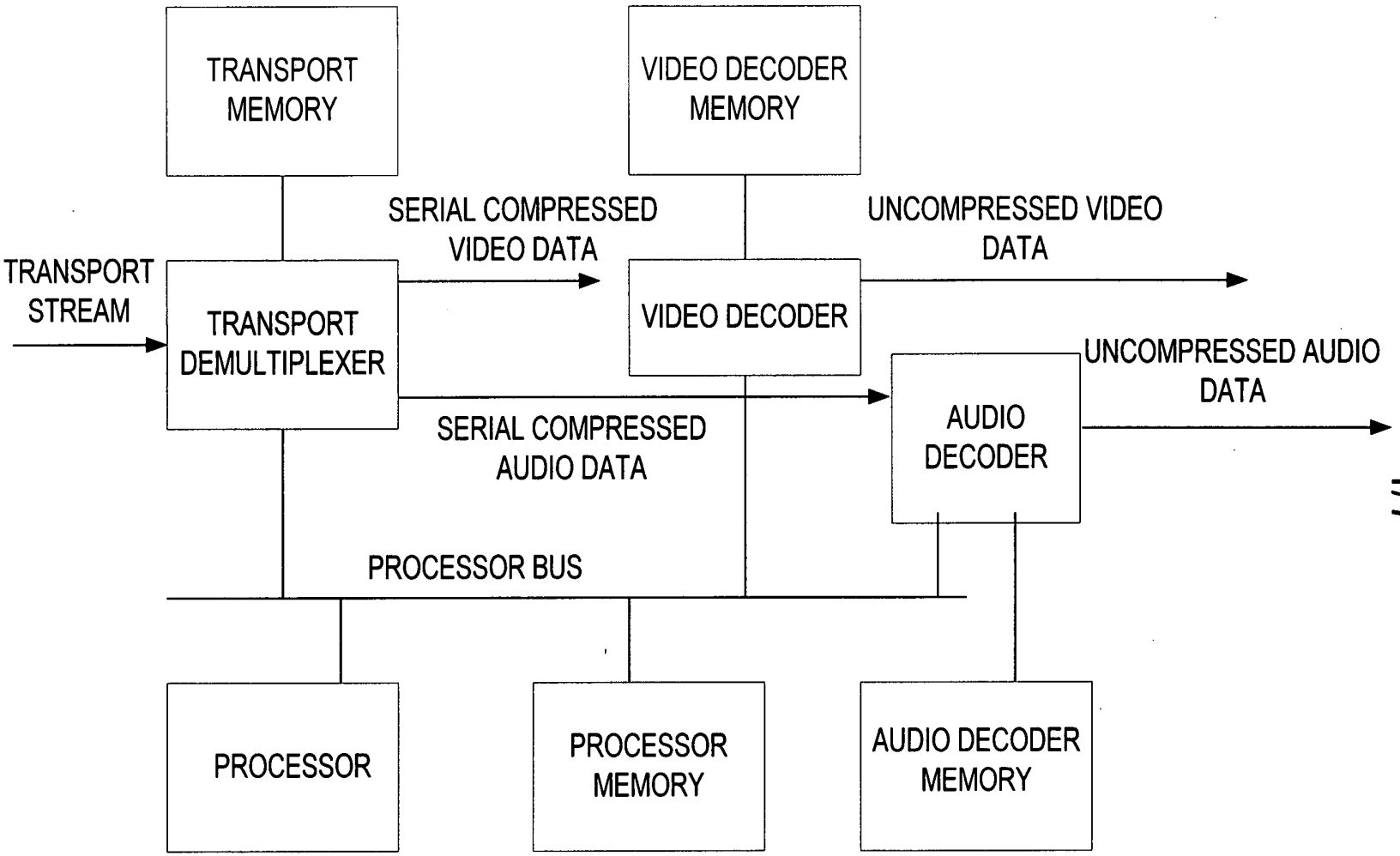

FIG. 3 TYPICAL MPEG-2 SUBSYSTEM

498

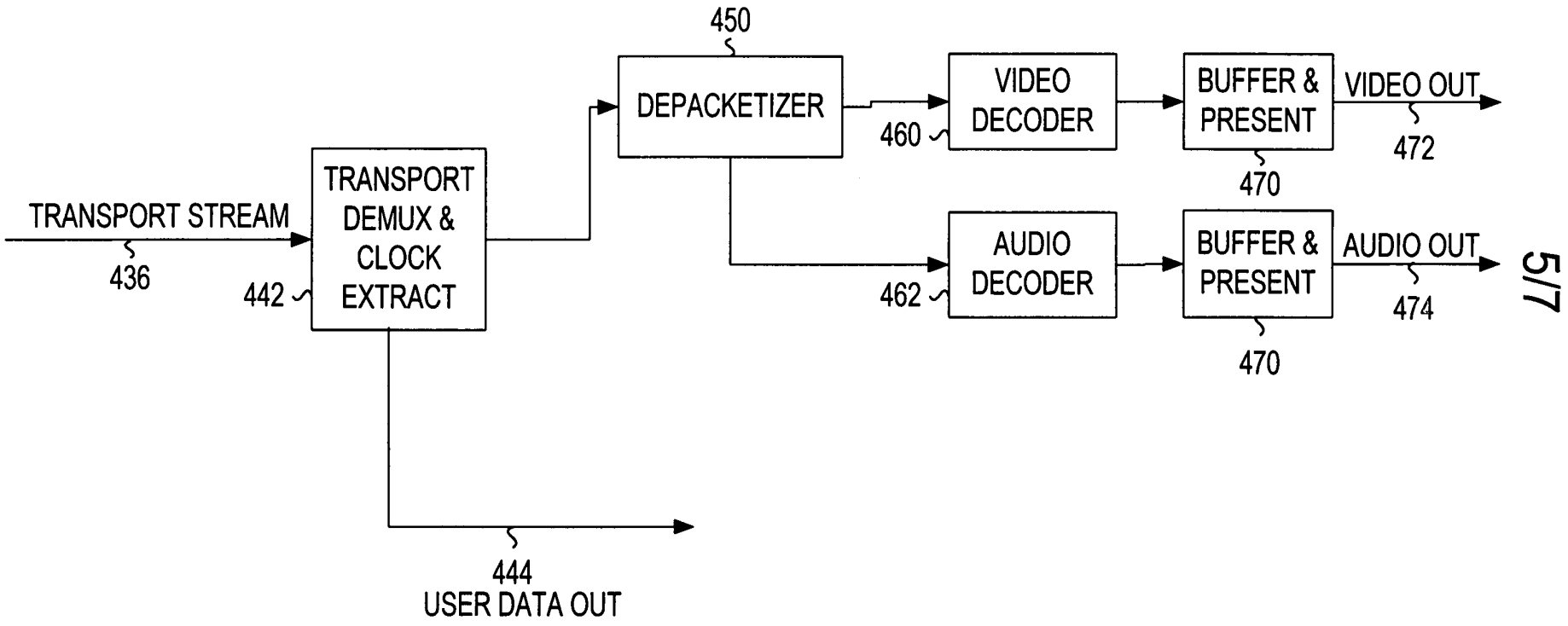
450
DEPACKETIZER
VIDEO DECODER
460
BUFFER & PRESENT
VIDEO OUT
472
470
TRANSPORT STREAM
436
TRANSPORT DEMUX & CLOCK EXTRACT
442
AUDIO DECODER
462
BUFFER & PRESENT
AUDIO OUT
474
470
444
USER DATA OUT

FIG. 4

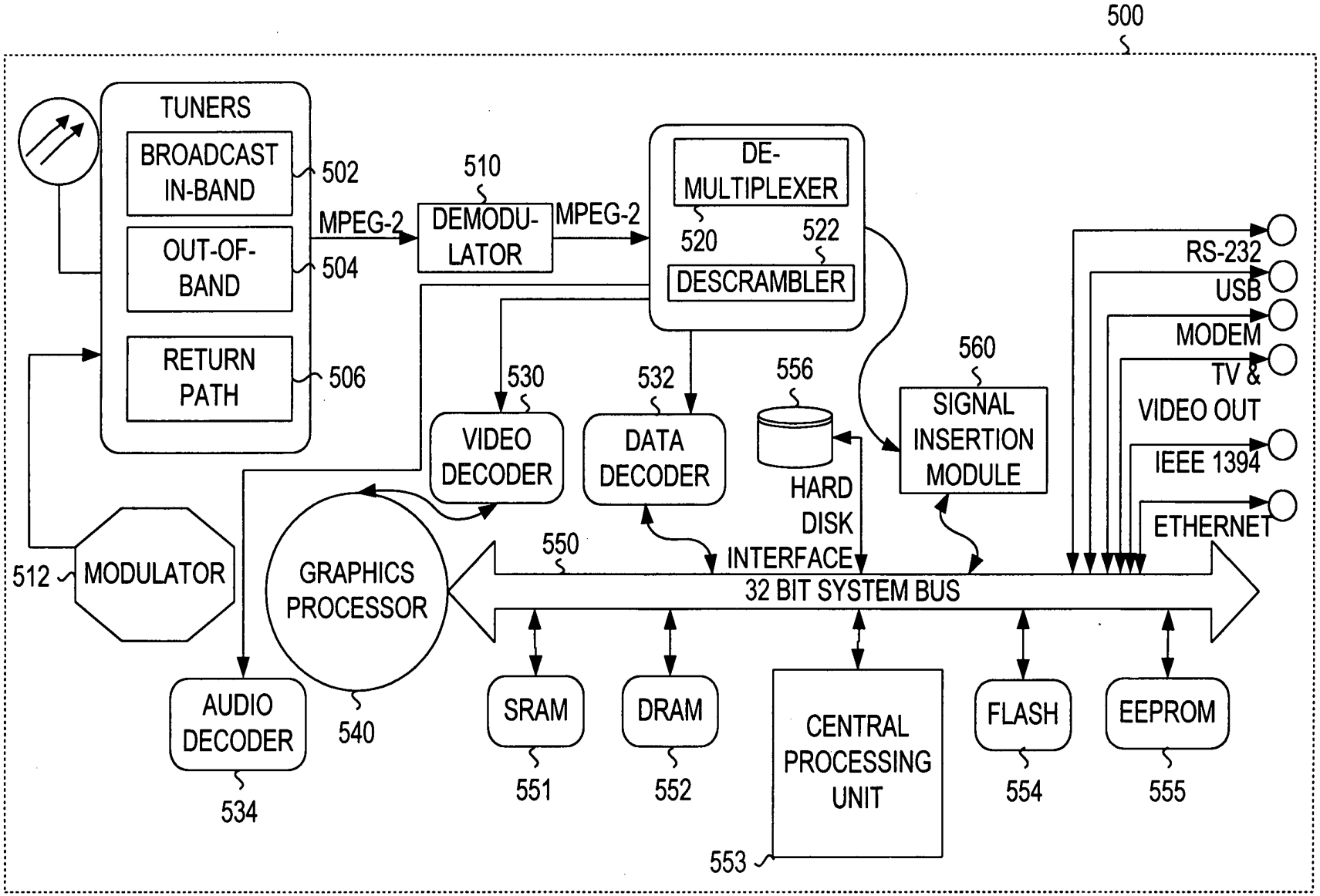
500
TUNERS
BROADCAST IN-BAND
OUT-OF-BAND
RETURN PATH
502
504
506
MPEG-2
510
DEMODU-LATOR
MPEG-2
DE-MULTIPLEXER
520
522
DESCRAMBLER
530
VIDEO DECODER
532
DATA DECODER
556
HARD DISK
560
SIGNAL INSERTION MODULE
RS-232
USB
MODEM
TV & VIDEO OUT
IEEE 1394
ETHERNET
512
MODULATOR
GRAPHICS PROCESSOR
540
550
INTERFACE
32 BIT SYSTEM BUS
AUDIO DECODER
534
SRAM
551
DRAM
552
CENTRAL PROCESSING UNIT
553
FLASH
554
EEPROM
555

FIG. 5

DOCKET NO. 42390.5

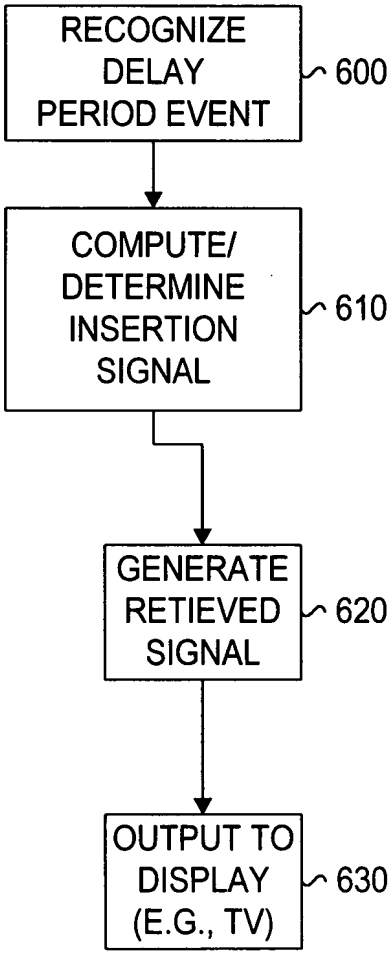

FIG. 6